

SIEMENS

MOBILETT XP (Hybrid / Eco)

SP

Installation and Startup

System

Installation of Remote Exposure Switch

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Purpose

This document describes the installation of the remote exposure switch system on a Mobilett XP, XP Eco or XP Hybrid.

Parts required

Remote exposure switch system kit, including:

- Main remote switch (1/Fig. Remote Switch Upgrade Materials) with acoustic signal for “park in holder” and “battery low” indicator (1a/Fig. Remote Switch Upgrade Materials)
- Spare remote switch (2/Fig. Remote Switch Upgrade Materials)
- Infrared sensor with cable (3/Fig. Remote Switch Upgrade Materials)
- Remote control board with flat cable (4/Fig. Remote Switch Upgrade Materials)
- Cable ties and tie mounts (5/Fig. Remote Switch Upgrade Materials)

Documents required

- | | |
|---|------------------|
| • General safety information | TD00-000.860.01. |
| • Replacement of parts | SPR8-230.841.01. |
| • Instructions for use | SPR8-230.621.01. |
| • Installation instructions (this document) | SPR8-230.814.02. |

Tools required

Standard service tools

Time required

Approximately 1.5 hours for one person



Life-threatening electric shock hazard during service activities with open covers!

Dangerous voltage exists in several places.

⇒ **Observe the general and product-specific safety information in the document "Replacement of parts" at all times when working on the unit while covers are removed.**



Fig. 1: Remote Switch Upgrade Materials

Objective

Installation of the receiver sensor (1/Fig. 2 / p. 6), the remote switch holder (4/Fig. 2 / p. 6), and the internal cabling with the remote control board.

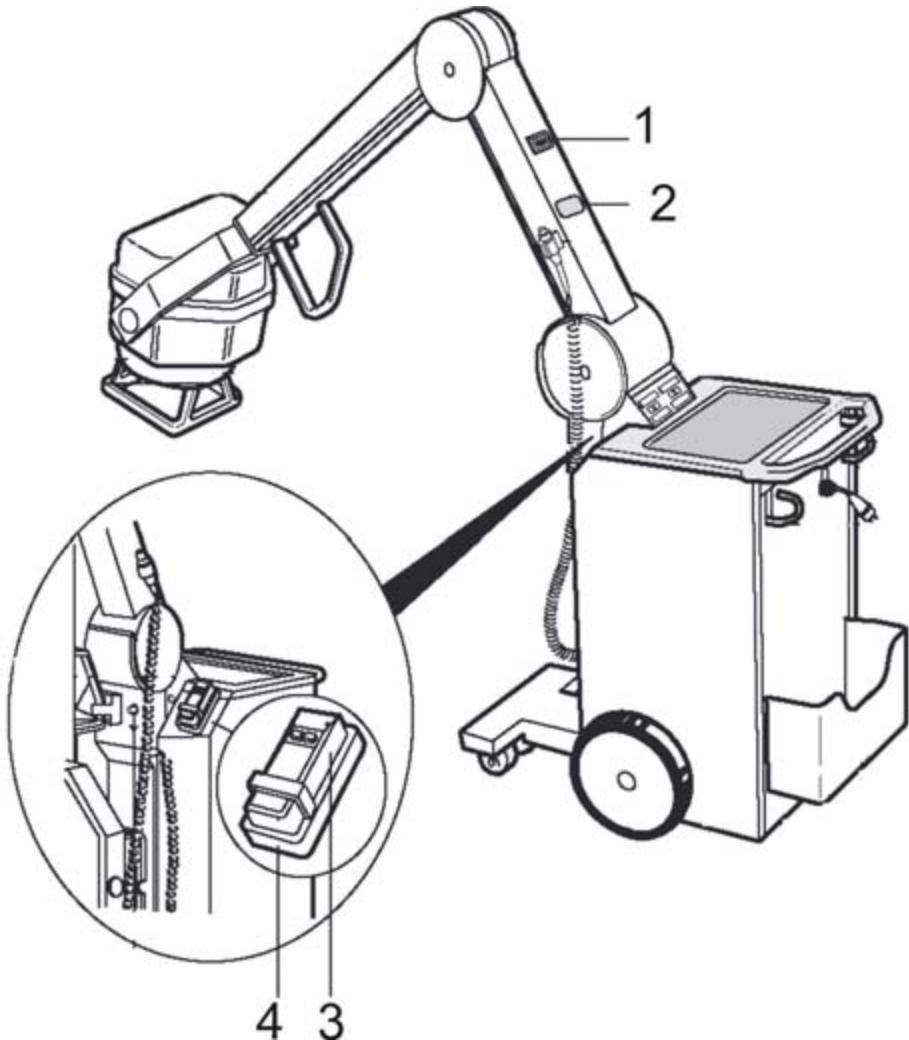


Fig. 2: View of the unit

- 1 - Remote sensor (receiver)
- 2 - DAP Display (option)
- 3 - Remote switch
- 4 - Remote switch holder

Installation

Preparation

Please observe the product-specific safety information (replacement of parts SPR8-230.841.01...).

- Switch the unit OFF (Hybrid: mode selection switch OFF).
- Disconnect the main power cable.
- Wait approx. 20 minutes until the capacitor bank is discharged.
- Unpack the upgrade materials and check for completeness ([Fig. 1 / p. 5](#)).
- Remove the exposure switch first ([A/Fig. 3 / p. 7](#)).
- Then remove the covers in the following order ([1-9/Fig. 3 / p. 7](#)).
- If a DAP control is installed, unplug the connector at the display to prevent damage ([2/Fig. 2 / p. 6](#)).

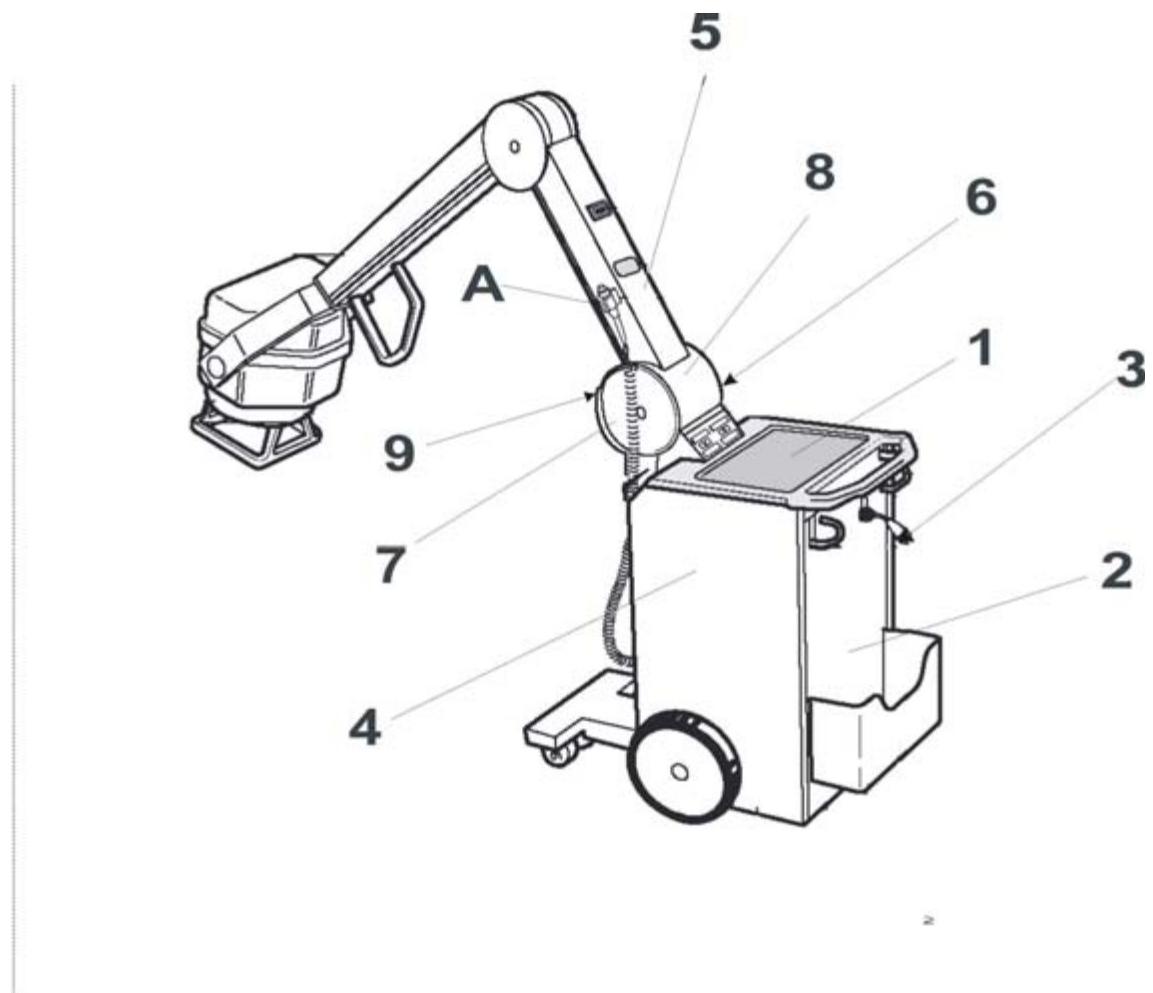


Fig. 3: Remove covers

Installation of internal parts

- Remove the aperture plate of the arm cover and install the remote sensor ([Fig. 4 / p. 8](#)).

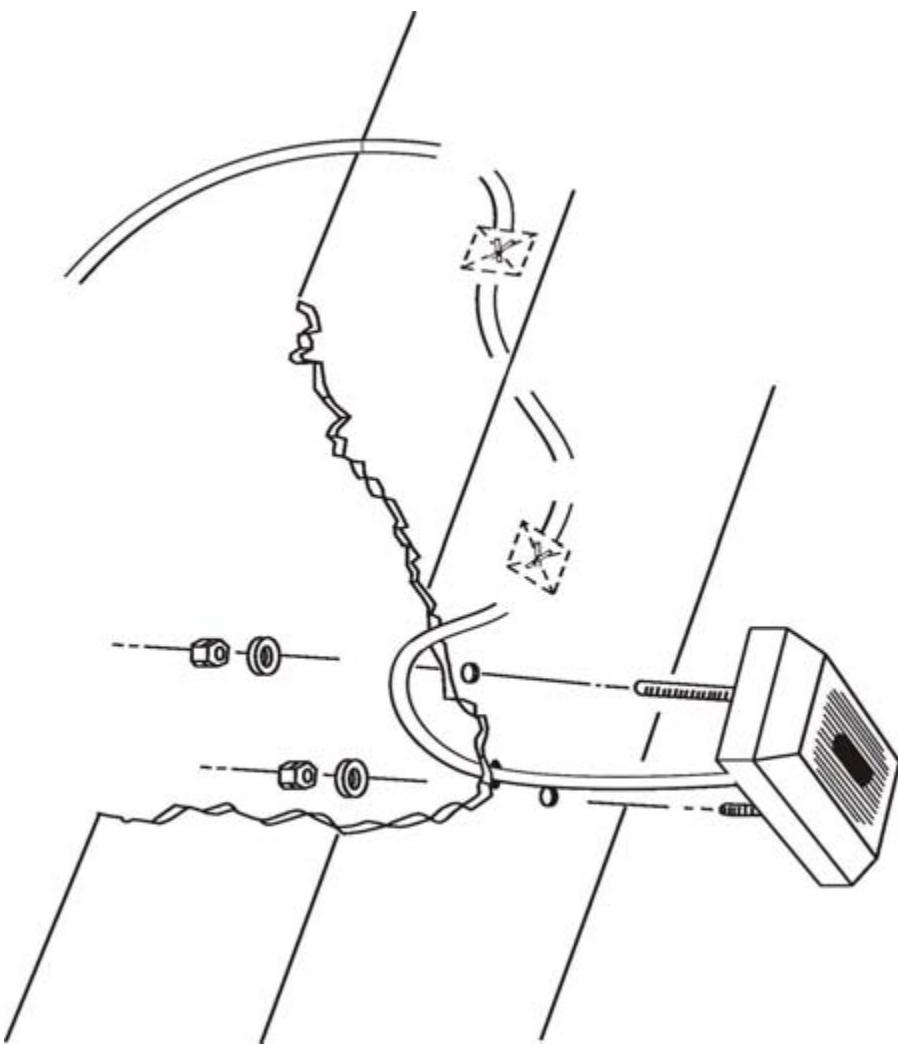


Fig. 4: Install sensor

- Route the sensor cable to the remote control board. Refer to (1-3/Fig. 5 / p. 9).

NOTE

Do not tie the sensor cable directly to the cables of the single tank to avoid possible interference.

- Ensure that there is no cable strain (2/Fig. 5 / p. 9) during movements of the arm.

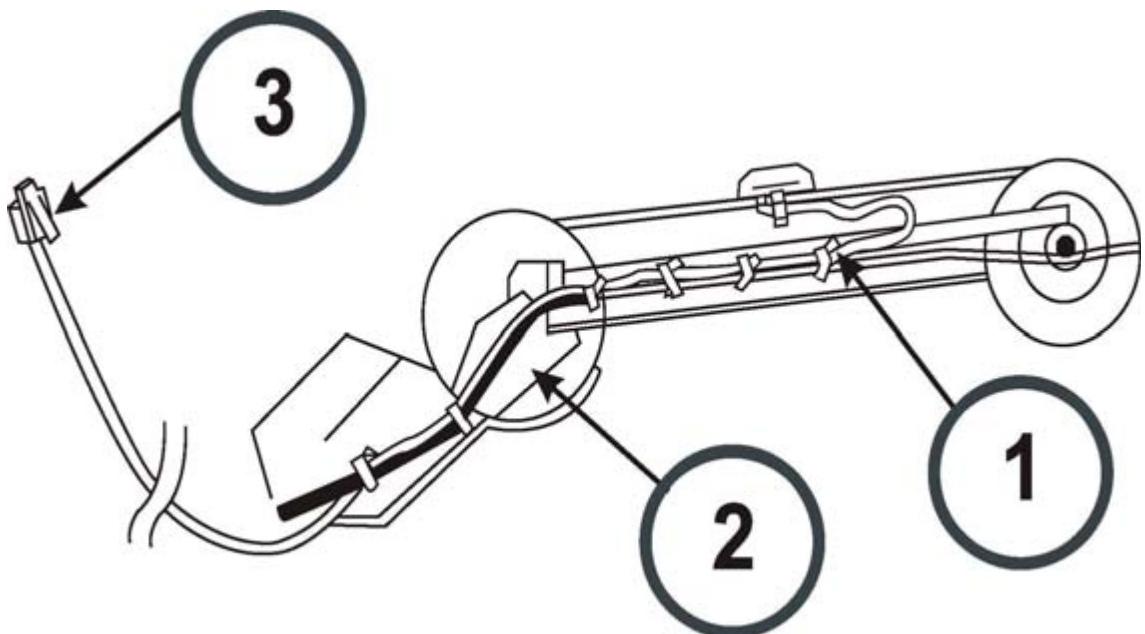


Fig. 5: Cabling

- Attach the sensor cable at the top right next to the arm (2/[Fig. 6 / p. 10](#)).
- Attach the sensor remote board at the top right using adhesive film and connect the sensor cable ([2/Fig. 6 / p. 10](#)).
- Unplug the cable between D916 and D917 ([1/Fig. 6 / p. 10](#)) from D917.
- Connect the data cable of the remote control board to board D917.
- Connect the cable from D916 to the adapter ([1/Fig. 6 / p. 10](#)).
- Route the ground cable through the hole in the chassis ([3/Fig. 6 / p. 10](#)).
- Attach the ground cable to the existing connection at the chassis ([Fig. 7 / p. 11](#)).

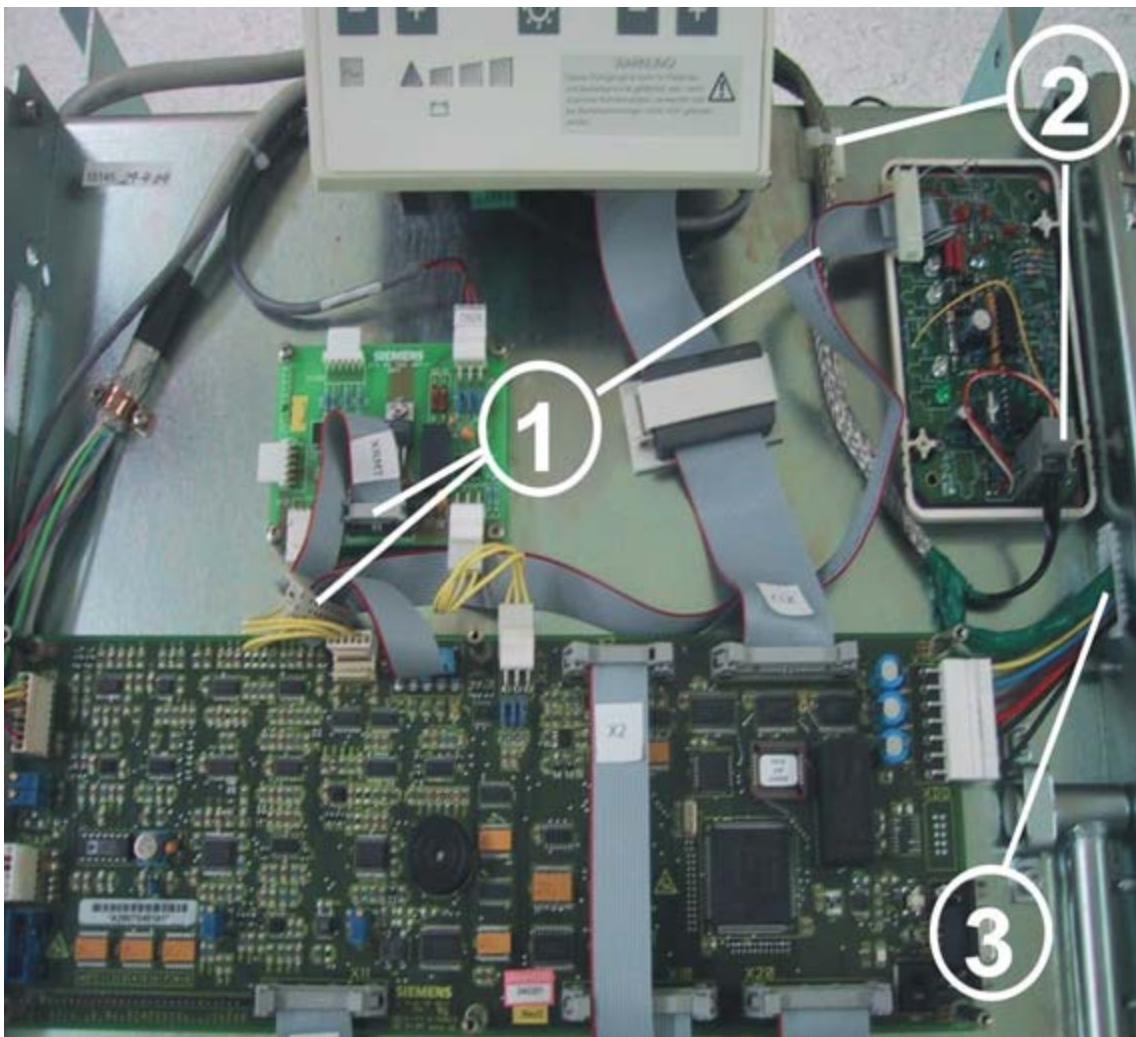


Fig. 6: Remote board



Fig. 7: Remote ground

Functional check



Life-threatening electric shock hazard during service activities with open covers!

Dangerous voltage exists in several places.

⇒ Observe the general and product-specific safety information in the document "Replacement of parts" at all times when working on the unit while covers are removed.

- Connect the mains cable and check the remote functions (refer to the "Instructions for use").
- Switch on the collimator light using the remote button.
- Select one of the shortest exposures via kV/mAs. Press and hold the remote exposure switch while the signal for preparation sounds.



- Release the button. Press it again to release an exposure.

The radiation indicator lights up during the exposure; at the same time, an acoustic signal sounds and the "exposure circuit ready" light goes out.

- Select one of the longest exposures via kV/mAs and release an exposure.
- Switch the unit OFF and unplug the main power cable.
- Replace all covers in reverse order ([1-9/Fig. 3 / p. 7](#)).

Installation of external parts

- Tape the remote switch holder to the front left side ([4/Fig. 2 / p. 6](#)).
- Place the remote switch with battery indicator ([1a/Fig. 1 / p. 5](#)) into the holder ([3/Fig. 2 / p. 6](#)).
- Repeat the functional check with all covers installed.

This is a new document

